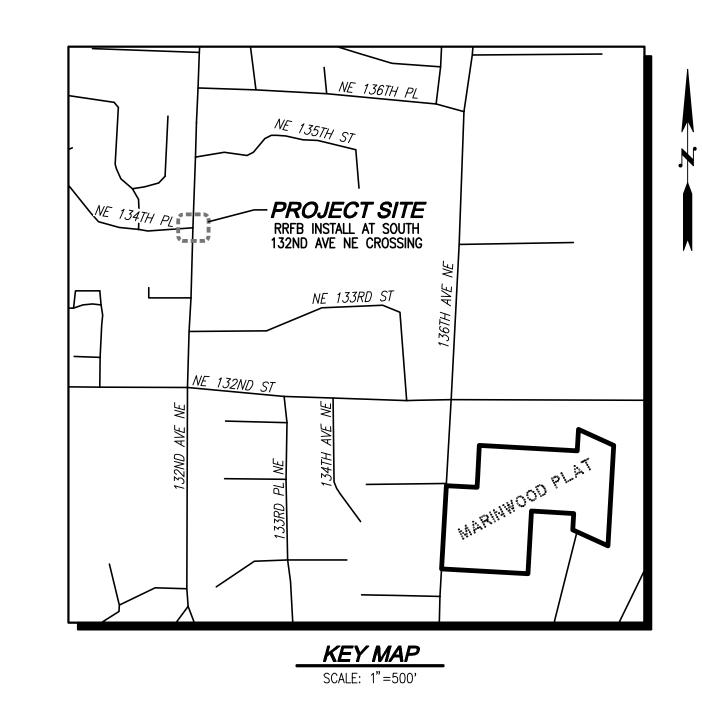


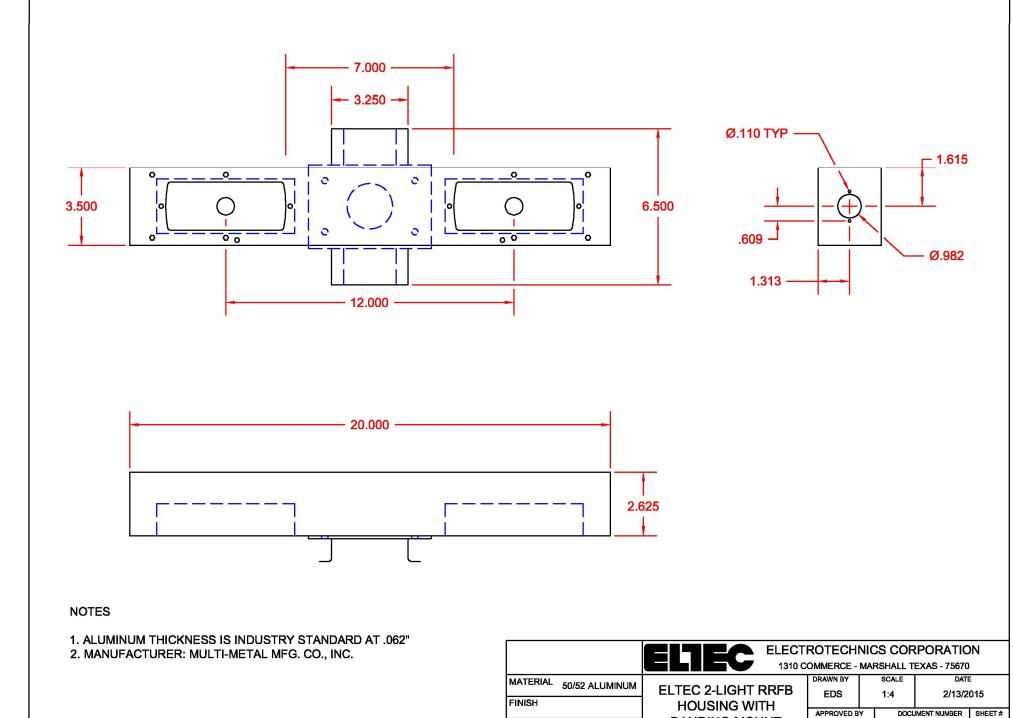
LEGEND ---- ELECTRICAL (RGS) CONDUIT RRFB ROADSIDE POLE W/ SOLAR PANEL, CONTROL CABINET, PEDESTRIAN PUSH BUTTON, 2x W11-2 AND W16-7P SIGNS

CONTROL CABINET W/ 2x W11-2 AND W16-7P SIGNS (MOUNTED ON EXISTING POLE)

POST W/ PEDESTRIAN PUSH BUTTON







GENERAL NOTES

- 1. ALL WORK SHALL BE IN ACCORDANCE WITH THE PLANS, SPECIAL PROVISIONS, CITY OF KIRKLAND AND WSDOT STANDARD PLANS AND SPECIFICATIONS. EXISTING UTILITIES ILLUSTRATED ON PLANS ARE FOR REFERENCE ONLY AND MAY NOT INCLUDE ALL EXISTING UTILITIES. ACTUAL LOCATIONS TO BE FIELD VERIFIED BY
- CONTRACTOR PRIOR TO CONSTRUCTION START. 3. ACCESS TO ALL ADJACENT PROPERTIES SHALL BE MAINTAINED AT ALL TIMES UNLESS PRIOR ARRANGEMENTS HAVE BEEN MADE BY THE CONTRACTOR AND APPROVED BY THE PROPERTY OWNER AND CITY OF KIRKLAND.
- 4. RESTORE ALL DISTURBED AREAS TO PRE-EXISTING CONDITIONS OR BETTER, AS DIRECTED AND APPROVED BY THE CITY.
- 5. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE. CONTRACTOR TO FIELD CHECK ALL LOCATIONS PRIOR TO CONSTRUCTION. 6. CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR OVERHEAD
- UTILITIES. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL VERIFY THAT MINIMUM OVERHEAD CLEARANCE REQUIREMENTS WILL BE SATISFIED.
- 7. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGE TO UTILITIES DURING
- 8. CONTRACTOR IS RESPONSIBLE FOR SECURING ALL NECESSARY PERMITS (I.E. CITY OF KIRKLAND ELECTRICAL).
- 9. ALL IMPACTED SIDEWALK PANELS SHALL BE FULLY REPAIRED TO THE NEAREST JOINT PER CITY OF KIRKLAND STANDARDS. EXISTING CURB RAMPS OR LANDINGS SHALL NOT
- 10. RRFB POLE ROUND FIXED BASED FOUNDATION SHALL BE PER WSDOT STANDARD PLAN J-21.10-04 OR J-20.11-02.

11. PEDESTRIAN PUSH BUTTON POST AND FOUNDATION SHALL BE PER WSDOT STANDARD

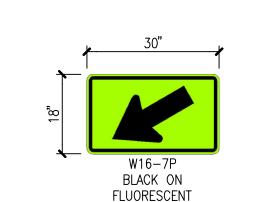
- PLAN J-20.11-02. 12. RRFB SOLAR PANEL VENDOR SHALL PROVIDE A SOLAR PANEL SIZING REPORT THAT
- ACCOUNTS FOR 40% TO 50% SHADING. 13. RRFB SOLAR PANEL VENDOR SHALL IDENTIFY THE SYSTEM LOADS BY SIZE AND TYPE
- (WATTAGE AND VOLTAGE) TO BE USED IN SOLAR PANEL SIZING CALCULATIONS. 14. RRFB SOLAR PANEL VENDOR SHALL CERTIFY THAT THE SYSTEM DOES NOT DIM
- DURING DAYLIGHT HOURS. 15. SOLAR PANEL SHALL BE MOUNTED AND ORIENTED PER RRFB SOLAR PANEL
- MANUFACTURE'S RECOMMENDATION.
- 16. ELTEC DOUBLE SIDED/5 LIGHT ROADSIDE RRFB, ELTEC CONTROL CABINET, AND SIGNS SHALL BE MOUNTED AND INSTALLED AT HEIGHTS PER ELTEC'S RECOMMENDATION. PEDESTRIAN PUSH BUTTONS SHALL BE MOUNTED AT 3'-6" FROM TOP OF SIDEWALK TO CENTER OF BUTTON.
- 17. ELTEC CONTROL PANEL INSTALLED IN THE CONTROL CABINET SHALL INCLUDE A SOLAR CHARGE CONTROLLER (MORNINGSTAR CORPORATION'S PROSTAR 15), SOLID STATE DC FLASHER (ELTEC FS2B), COUNTDOWN TIMER (CROUZET CHRONOS PU2R4), SPILL-PROOF BATTERY, AND WIRELESS COMMUNICATION (ELTEC 730247-GW). AND WIRING SHALL BE INSTALLED AND TERMINATED PER MANUFACTURE'S RECOMMENDATION.

CONSTRUCTION NOTES

- (1) INSTALL NEW 16' SCH 40 4.5" O.D. ALUMINUM POLE ON NEW FOUNDATION IMMEDIATELY ADJACENT TO OUTSIDE FACE OF PEDESTRIAN CURB (AT EXISTING LANDING; LANDING TO BE MAINTAINED/PROTECTED) WITH PELCO PB-5341 ALUMINUM SQUARE BREAKAWAY BASE AND PELCO PB-5306-GLV ANCHOR BOLT KIT. INSTALL NEW SINGLE 190 WATT SOLAR PANEL TO TOP OF POLE (MOUNT SOUTH-FACING). INSTALL NEW ELTEC DOUBLE SIDED/5 LIGHT ROADSIDE RRFB ON NEW POLE. INSTALL NEW ELTEC CONTROL CABINET WITH CONTROL PANEL ON EAST SIDE OF POLE. INSTALL NEW OR SALVAGE (SALVAGE SIGNAGE FROM POLE TO BE REMOVED AT THIS LOCATION) W11-2 AND W16-7P SIGNS ON BOTH SIDES OF POLE. MOUNT NEW POLARA BLACK BULLDOG RBDL3-B-4H PEDESTRIAN PUSH BUTTON IN H STYLE MOUNT WITH RIO-25 PLAQUES ON WEST SIDE OF POLE.
- REMOVE AND SALVAGE CROSSWALK SIGNAGE FOR RE-USE ON THE SAME LIGHT POLE. INSTALL BY BAND-MOUNT 2x (OPPOSITE FACING NORTH/SOUTH) 3-LIGHT AC-POWER ELTEC RRFB'S. USE PELCO US-2184-06 3/4" SS BANDING AND PELCO US-8500-GV RETAINER OR EQUAL. INSTALL 1" DIAMETER ELECTRICAL RISER MOUNTED TO STREET LIGHT POLE FOR RRFB ELECTRICAL SERVICE. RE-MOUNT W11-2 AND W16-7P SIGNAGE WITH BANDING/RETAINER.
- (3) INSTALL NEW 5'-0" SCH 40 STEEL POST ON NEW FOUNDATION CENTERED OUTSIDE PEDESTRIAN CURB MAKING REAR OF CURB RAMP LANDING (PER WSDOT STANDARD PLAN J-20.11-02 OR J-20.10-03). MOUNT NEW POLARA BLACK BULLDOG RBDL3-B-4H PEDESTRIAN PUSH BUTTON IN H STYLE MOUNT WITH R10-25 PLAQUES ON NORTHEAST SIDE OF POST.
- (4) INSTALL 1" DIAMETER ELECTRICAL (RGS) CONDUIT BETWEEN RRFB/STREET LIGHT POLE AND PEDESTRIAN PUSH BUTTON POST VIA EXISTING JUNCTION BOX. INSTALL NEW 1-3C CONDUCTOR AND 1-#8 GROUND CABLE BETWEEN PUSH BUTTON AND CONTROL PANEL. RESTORE SIDEWALK PANEL TO NEAREST JOINT. DO NOT IMPACT EXISTING CURB RAMP.



YELLOW-GREEN



YELLOW-GREEN

Approved 03/28/2016 kcoleman

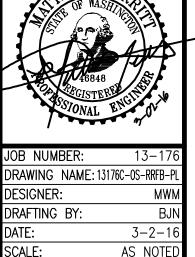
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BANDING MOUNT



RRFB SCHEMATICS 20F2



KIRKLAND JURISDICTION:

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